

Title (en)
Method for measuring cardiac troponin

Title (de)
Verfahren zur Messung von kardialem Troponin

Title (fr)
Méthode de mesure de la troponine cardiaque

Publication
EP 2679997 B1 20200520 (EN)

Application
EP 12749915 A 20120224

Priority
• JP 2011039625 A 20110225
• JP 2012054541 W 20120224

Abstract (en)
[origin: EP2679997A1] Disclosed are a method for immunologically measuring cardiac troponin in a biological sample, in which the formation of an immunological complex of cardiac troponin with an antibody specifically binding thereto is performed in the presence of a divalent cation at 4 mmol/L or more; and a kit for measuring cardiac troponin, comprising an antibody specifically binding to cardiac troponin, and a buffer containing a divalent cation at a high concentration. According to the method or the kit, a stable and highly-accurate measured value can be obtained without being affected by interfering substances in a specimen regardless of the type of specimen.

IPC 8 full level
G01N 33/68 (2006.01)

CPC (source: EP KR US)
G01N 33/53 (2013.01 - KR); **G01N 33/531** (2013.01 - KR); **G01N 33/68** (2013.01 - US); **G01N 33/6887** (2013.01 - EP US);
G01N 2333/4712 (2013.01 - EP US)

Citation (examination)
• US 5947124 A 19990907 - BUECHLER KENNETH FRANCIS [US], et al
• US 2004033529 A1 20040219 - RIOCHET DENIS ROBERT MARIE [FR]
• ABBOT DIAGNOSTICS: "Architect System - Stat Troponin-I", 3 September 2010 (2010-09-03), Retrieved from the Internet <URL:https://www.illexmedical.com/files.pdf/Troponin_ARC.pdf> [retrieved on 20180828]

Cited by
EP3258270A4; US10472400B2; WO2024102383A1

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 2679997 A1 20140101; **EP 2679997 A4 20150506**; **EP 2679997 B1 20200520**; CN 103380377 A 20131030; CN 103380377 B 20160127; JP 5864530 B2 20160217; JP WO2012115221 A1 20140707; KR 101975993 B1 20190507; KR 20140007449 A 20140117; US 10634681 B2 20200428; US 2013330841 A1 20131212; WO 2012115221 A1 20120830

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